|       | Index of Claims                                    |            |          |     |                   |           |   |           |        |              |  |          |           |              |            |                   |                      |                     |           |         |                   |     |          |            | Reexamination |                 |              |           |        |   |         |          |   |   |  |
|-------|--|------------|----------|-----|-------------------|-----------|---|-----------|--------|--------------|--|----------|-----------|--------------|------------|-------------------|----------------------|---------------------|-----------|---------|-------------------|-----|----------|------------|---------------|-----------------|--------------|-----------|--------|---|---------|----------|---|---|--|
|       |  |            |          |     |                   |           |   |           |        |              |  |          |           |              | 10/815,706 |                   |                      |                     |           |         |                   |     |          |            |               | WAKUDA ET AL.   |              |           |        |   |         |          |   |   |  |
|       |  |            |          |     |                   |           |   |           |        |              |  |          |           |              | E          | Examiner          |                      |                     |           |         |                   |     |          |            |               | Art Unit        |              |           |        |   |         |          |   |   |  |
|       | PROTEIT I MENT DESCRIPTION FOR PROPERTURAL CONTROL |            |          |     |                   |           |   |           |        |              |  |          |           |              | ١,         | Louis M. Arana    |                      |                     |           |         |                   |     |          |            | 2859          |                 |              |           |        |   |         |          |   |   |  |
|       |  |            | _        | _   |                   |           |   | -         |        | _            |  |          | -         |              | لــــ      | Louis IVI. Atalia |                      |                     |           |         |                   |     |          |            | 1             |                 | 55           |           |        |   |         |          |   |   |  |
|       | (Through numeral)                                  |            |          |     |                   |           |   |           |        |              |  |          |           |              | al)        | ٦                 | ſ                    | Т                   |           |         |                   |     |          | П          |               |                 |              |           |        | 7 |         |          | • |   |  |
|       | ✓ Rejected — (Through number of the Cancelled      |            |          |     |                   |           |   |           |        |              |  |          | d<br>d    | aıj          | - 1        | 1                 | N                    | Non-Elected         |           |         |                   |     | A        | Appeal     |               |                 |              |           |        |   |         |          |   |   |  |
|       | -  |            |          |     |                   |           |   |           |        | -            | T                                      |          |           |              |            |                   | $\dashv$             |                     |           |         |                   |     |          | Н          |               |                 | _            | _         |        | 1 | -       |          |   |   |  |
|       | = Allowed  |            |          |     |                   |           |   |           |        | + Restricted |  |          |           |              | d          |                   | I Interference       |                     |           |         |                   | 0   | Objected |            |               |                 |              | 1         |        |   |         |          |   |   |  |
|       |  |            |          |     |                   |           |   |           |        | _            | ــــــــــــــــــــــــــــــــــــــ |          |           |              |            |                   |                      |                     |           |         | _                 |     |          |            |               |                 |              |           |        | _ |         |          |   |   |  |
|       | Cla  | Claim Date |          |     |                   |           |   | te        | _      | _            |  | Claim    |           |              | Date       |                   |                      |                     | CI        |         | im                |     | Date     |            |               |                 | $\mathbf{H}$ |           |        |   |         |          |   |   |  |
|       | =  | lal        | ×        | B   | 2                 |           | ł | ١         | ı      |              |  | =        | 쿌         |              |            |                   | - 1                  | 1                   |           |         |                   |     | =        | ë          | H             |                 |              |           |        | ŀ | l       | l l      |   |   |  |
|       | Final  | Original   |          | 1/6 | 102               | 1         |   |           | ١      |              |  | Final    | Original  | 1            |            |                   |                      | 1                   | 1         |         |                   |     | Final    | Original   | ľ             |                 |              |           |        |   | 1       |          |   |   |  |
| •     |  | 0          | S        | 11  | 1/9               | <u> </u>  |   |           |        |              | Ш                                      |          | 1         | L            | L          |                   |                      | _                   | $\perp$   | ┸       |                   |     |          |            | Ш             | _               | $\perp$      | _         | 1      | L | ┸       | Ц        |   |   |  |
|       |  | -          | 7        | =   | =                 | 4         | Ļ | 1         | ╀      | +            | $\Box$                                 | _        | 51        | ╄            | $\vdash$   | Н                 | $\dashv$             | 4                   |           | +       | ╀                 | Ш   |          | 101        | Н             | +               | +            | +         | ┿      | ╀ | ╀       | Н        |   |   |  |
|       |  | 3          | +        | P   | H                 | ╁         | ╁ | ╁         | ╁╴     | ╁            | +-1                                    | -        | 52<br>53  | ╁            | ╁╌         | Н                 | $\dashv$             | ┪                   | 十         | ╁       | ╁                 |     | _        | 103        |               | _               | +            | +         | +-     | 十 | +-      | Н        |   |   |  |
|       |  | 4          | 1        | +   | H                 | T         | T | T         | T      | İ            | $\Box$                                 |          | 54        |              |            |                   |                      |                     | 1         | 土       |                   |     |          | 104        |               |                 |              | 工         |        | İ |         | 口        |   |   |  |
|       |  | 5          | I        | П   | П                 | Γ         | I | Ι         | I      | I            | $\Box$                                 |          | 55        |              | $\Box$     |                   | $\Box$               | $\rightrightarrows$ | 4         | T       | $\perp$           |     |          | 105        |               | 4               | 4            | 4         | 1      | ╀ | ╀-      | Н        |   |   |  |
|       |  | 7          | H        | H   | H                 | ╀         | ╀ | ╀         | ╀      | ╀            | ╁╂                                     | -        | 56<br>57  | ╀╌           | $\vdash$   | Н                 | $\dashv$             | +                   | +         | ╁       | ╀                 |     | <u> </u> | 106<br>107 | Н             | +               | +            | +         | +      | ╁ | ╀       | Н        |   |   |  |
|       |  | 8          | Н        | H   | H                 | ╁         | ╁ | +         | 十      | +            | +                                      | $\vdash$ | 58        | 十            | ┝          | Н                 | +                    | +                   | +         | +-      | +-                |     | ├─       | 108        | Н             | $\top$          | +            | +         | +      | T | t       | 口        |   |   |  |
|       |  | 9          |          |     | Ц                 | L         |   | I         | İ      | İ            | $\Box$                                 |          | 59        |              |            |                   |                      | コ                   | $\Box$    | 1       |                   |     |          | 109        |               | $\dashv$        | Į            | Τ.        | T      | Ţ | Į_      | $\Box$   |   |   |  |
|       |  | 10         | 4        | Ц.  | Ш                 | L         | L | 1         | ╀      | +            | $\Box$                                 | <u> </u> | 60        | ╀            | ┞          | Н                 | $\dashv$             | 4                   | -         | +-      | ╀                 |     |          | 110        | Н             | -               | +            | +         | ╀      | ╂ | +       | Н        |   |   |  |
|       | -  | 11         | ╫        | H   | ₩                 | ╀         | ╁ | ╀         | ╁      | ╁            | +                                      | $\vdash$ | 61<br>62  | +            | $\vdash$   | Н                 | $\vdash$             | +                   | ╅         | ╫       | ╁                 | ł   |          | 112        | Н             | -+              | 十            | ╅         | +-     | 十 | ╁       | Н        |   |   |  |
|       | _  | 13         | H        | H   | $\dagger \dagger$ | †         | 1 | 1         |        | 1            |  |          | 63        |              |            |                   |                      |                     | ユ         |         |                   |     |          | 113        |               |                 |              |           |        | I | I       | 口        |   |   |  |
| •     |  | 14         | П        | П   | П                 | L         | I | Ţ         | Ţ      | Ţ            | $\Box$                                 |          | 64        | 1            | L          |                   | $\Box$               | 4                   | $\dashv$  | 4-      | ╀.                |     |          | 114        | $\vdash$      | _               | 4            | +         | +      | ╀ | +-      | Н        |   |   |  |
|       |  | 15<br>16   | H        | ₩   | ₩                 | ╀         | ╀ | ╀         | +      | ╀            | ++                                     | $\vdash$ | 65<br>66  |              | $\vdash$   | Н                 | $\vdash$             | ┥                   | $\dashv$  | ╁       | ╁                 | ł   | <u> </u> | 115<br>116 |               | -               | +            | ╅         | ╫      | + | ╅       | H        |   |   |  |
|       |  | 17         | H        | H   | H                 | $\dagger$ | t | †         | +      | $\dagger$    | H                                      | $\vdash$ | 67        | t            | L          |                   | $\Box$               | $\exists$           | ΞÌ        | 工       |                   | 1   |          | 117        |               |                 |              | $\perp$   |        | I |         |          |   |   |  |
|       |  | 18         | 1        | ΙΙ  | П                 | I         | Γ | I         | 1      | I            | $\Box$                                 |          | 68        |              | lacksquare |                   |                      | $\exists$           | $\exists$ | $\bot$  | Ţ                 | -   |          | 118        | _             | $\dashv$        | 4            | 4         | +      | ╀ | +-      | $\vdash$ |   |   |  |
|       |  | 19         | I        | Y   | Ľ                 | +         | ╀ | +         | ╀      | ╀            | +-1                                    | -        | 69<br>70  |              | ╀          | ┝                 | ${oldsymbol{arphi}}$ | -                   | $\dashv$  | ╀       | ╁                 | 1   | ┝        | 119<br>120 | $\vdash$      | $\vdash$        | +            | ┿         | +      | ╁ | +       | Н        |   |   |  |
|       | -  | 20<br>21   | 1        | ×   | F                 | +         | 十 | 十         | ╁      | +            | +                                      | $\vdash$ | 71        |              | 十          | Н                 | H                    | 1                   | 十         | 十       | 十                 | 1   |          | 121        |               |                 | 1            | 工         | 士      | İ |         |          |   |   |  |
|       |  | 22         |          |     |                   |           |   | I         | 1      | 1            |  |          | 72        |              |            |                   | $\Box$               | $\Box$              | $\Box$    | $\top$  | I                 | ]   |          | 122        |               | $\Box$          | 1            | 4         | 1      | 1 | 4       | Н        |   |   |  |
|       |  | 23         | Ļ        | Ļ   | ┞                 | ╀         | + | ╀         | ╀      | 4            | 44                                     | -        | 73<br>74  |              | ╀          | $\vdash$          | Н                    | 4                   | +         | +       | ╁                 | 1   | -        | 123<br>124 |               | H               | +            | +         | +      | ╁ | +-      | H        |   |   |  |
|       |  | 24<br>25   | -        | ╁╴  | ╁                 | +         | ╁ | +         | ╁      | +            | +                                      | -        | 75        |              | ╁╴         | H                 | H                    | ᅥ                   | $\dashv$  | 十       | ╁                 | 1   | $\vdash$ | 125        | +             | H               | +            | $\top$    | 士      |   | $\pm$   |          |   |   |  |
|       |  | 26         |          | İ   |                   | İ         | İ | İ         | 土      | İ            | 口                                      |          | 76        | L            |            |                   |                      |                     |           |         | $oldsymbol{\Box}$ | 1   |          | 126        |               | $\Box$          | $\downarrow$ | $\Box$    | $\bot$ | Ţ | $\perp$ | $\Box$   |   |   |  |
| •     |  | 27         | L        | L   | L                 | 1         | ╀ | 1         | +      | +            | 4-1                                    | $\vdash$ | 77<br>78  | +-           | ╀          | L                 | $\vdash$             | 4                   | $\dashv$  | +       | ╀                 | -   | $\vdash$ | 127<br>128 | ╁             | $\dashv$        | +            | +         | ╁      | ╁ | ╁       | Н        |   |   |  |
| •     | -  | 28<br>29   | ┝        | ┝   | ╁                 | ╁         | ╁ | ╁         | ╁      | ╁            | +                                      | -        | 79        |              | ╁╴         | H                 | Н                    | ┪                   | $\dashv$  | 十       | ╁╴                | 1   | $\vdash$ | 129        |               | $\vdash$        | $\forall$    | +         | +      | 十 | +       | H        |   |   |  |
|       | <del></del>  | 30         | $\vdash$ | H   | t                 | t         | 十 | $\dagger$ | T      | $\dagger$    | Ш                                      |          | 80        | T            | İ          |                   |                      |                     | 1         |         |                   | 1   |          | 130        |               |                 |              | 工         | 1      | I | T       |          |   |   |  |
|       |  | 31         |          |     |                   | I         | T | I         | Į      | Ţ            | $\Box$                                 |          | 81        |              |            |                   |                      | 4                   | 4         | 4-      | ╀                 |     | <u> </u> | 131        | -             | $\vdash$        | +            | +         | +      | + | ╁       | Н        |   |   |  |
|       |  | 32<br>33   | ┝        | ┝   | ╀                 | ╀         | ╁ | +         | ╀      | ╁            | +                                      | -        | 82<br>83  |              | +-         | ┝                 | ╌┤                   | ┥                   | +         | +       | ┿                 | 1   | -        | 132<br>133 |               | ┝┼              | $\dashv$     | +         | ╁      | ╅ | +       | Н        |   |   |  |
|       | <del> </del>                                       | 34         | ┢        | ╀   | t                 | 十         | 十 | +         | +      | $\dagger$    | <del>     </del>                       |          | 84        |              | 士          |                   |                      |                     |           | 土       |                   | ] . |          | 134        | $\Box$        |                 |              |           |        | 1 | 工       |          |   |   |  |
|       |  | 35         |          |     | L                 | I         | I | T         | Ţ      | I            | $\Box$                                 |          | 85        |              | L          | oxdot             |                      |                     | $\Box$    | $\perp$ | L                 | ]   |          | 135        | 1             | $\vdash$        | 4            | +         | +      | + | +       | ╀┤       |   |   |  |
|       | <u> </u>   | 36         | ┡        | -   | ┞                 | ╀         | + | +         | +      | ╀            | 4-1                                    | <u> </u> | 86<br>87  |              | ╀╌         | Ŀ                 | Н                    | ᅱ                   | +         | +       | ╀                 | 1   | $\vdash$ | 136<br>137 |               | $\vdash$        | ┽            | +         | ╁      | + | +-      | H        |   |   |  |
|       | <del> </del>                                       | 37<br>38   | ┝        | ╁   | ╁                 | ╁         | + | ╁         | +      | +            | +                                      | $\vdash$ | 88        |              | ╁          | t                 | H                    | -                   | 7         | 十       | 1                 | 1   |          | 138        |               | $\Box$          | 士            |           | 士      | 1 | 土       |          | ` |   |  |
|       |  | 39         |          |     |                   | İ         | I | I         | 1      | 1            |  |          | 89        |              | I          |                   | П                    |                     | $\Box$    |         | L                 | ]   |          | 139        |               | $\Box$          | $\downarrow$ | 1         | 1      | 1 | _       | Н        | ı |   |  |
|       |  | 49         |          | L   | ╀                 | ╀         | + | +         | +      | +            | 4-4                                    | -        | 90        |              | ╀          | ┡                 | Н                    | -                   | $\dashv$  | ╀       | +-                | 1   | -        | 140        |               | $\vdash$        | +            | ┿         | +      | ┿ | ╁       | Н        | ı |   |  |
|       | <u> </u>   | 41         | $\vdash$ | ╁╴  | t                 | ╀         | + | 十         | ┼      | +            | +                                      | $\vdash$ | 91        |              | ╁          | $\vdash$          | H                    | ᅥ                   | +         | +       | 十                 | 1   | $\vdash$ | 142        |               |                 | +            | +         | 士      | 士 | 士       | $\Box$   | ı |   |  |
|       |  | 43         | L        | T   | İ                 | İ         | 1 | 1         | 士      | 士            | 口                                      |          | 93        | $\perp$      | I          |                   | 口                    |                     | $\Box$    |         | I                 | 1   |          | 143        |               |                 | $\Box$       | I         | I      | 1 | T       | $\Box$   |   |   |  |
|       |  | 44         | Г        | L   | L                 | T         | T | T         | T      | Ţ            | $\Box$                                 |          | 94        |              | F          |                   | Ц                    |                     | -         | +       |                   | 1   | -        | 144        |               | $\vdash$        | +            | +         | +      | + | +       | H        |   | • |  |
|       | -  | 45<br>46   | 1        | +   | +                 | +         | + | +         | +      | +            | +-                                     | -        | 95<br>96  |              | +          | $\vdash$          | Н                    | 4                   | +         | +       | +                 | 1   |          | 146        |               | $\vdash$        | $\dashv$     | +         | +      | + | $\pm$   | H        |   |   |  |
|       |  | 47         | L        | İ   | İ                 | 土         | 1 | 土         | 土      | 士            | $\Box$                                 |          | 97        | $\mathbf{L}$ | 1          |                   | 口                    |                     | 口         |         | I                 | 1   |          | 147        |               | П               | 1            | I         | T      | T | Ţ       | $\Box$   |   |   |  |
|       |  | 48         | L        | Г   | L                 | Ţ         | Ţ | Ţ         | $\bot$ | 1            | $\Box$                                 |          | 98        |              | 1          | 1                 | H                    | _                   | $\vdash$  | +       | +                 | -   | -        | 148        |               | $\vdash \vdash$ | $\dashv$     | +         | +      | + | +-      | +        |   |   |  |
| 1 1 1 | $\vdash$   | 49<br>50   | ┨        | ┝   | ╁                 | +         | ╀ | +         | +      | +            | ┿┩                                     | +        | 99<br>100 |              | +          | ╁                 | ╁┤                   | -                   | $\dashv$  | +       | +                 | 1   | -        | 150        |               | ┞╌┼             | ┪            | $\dagger$ | 十      | 士 | $\perp$ | $\Box$   |   |   |  |
|       |  | , 50       | _        |     |                   | _         |   |           |        |              | لــــاـــ                              |          |           |              |            | -                 |                      | _                   |           |         |                   | _   |          |            |               |                 |              |           |        |   |         |          |   |   |  |

Application/Control No. Applicant(s)/Patent under